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ABSTRACT OF THE DISCLOSURE

A multi-stack optical data storage medium, for recording using a focused radiation beam having a wavelength λ and entering through an entrance face of the medium , has a first substrate having a first guide groove formed therein, and a first recording stack including a recordable type recording layer having a thickness $d_{\rm L0G}$ in the groove and a thickness $d_{\rm L0L}$ adjacent the groove. A second substrate has a second guide groove formed therein, and a second recording stack including a recordable type recording layer having a thickness $d_{\rm L1G}$ in the groove and a thickness $d_{\rm L1L}$ adjacent the groove. The second recording stack is at a position closer to the entrance face than the first recording stack. The depth of the first guide groove is smaller than 0.15 λ and $d_{\rm L0L}$ is substantially equal to or larger than $d_{\rm L1G}$.